

Technical Data Sheet

BS-2520 Sanitary Sealant



Features

- ◆ Neutral Curing System
- ◆ Antifungal
- ◆ ±25% movement capability
- ◆ Permanently Flexible
- ◆ Indoor & Outdoor Use

Specifications/Compliances

- ◆ ASTM C920 (Class 25)
- ◆ FDA 21 CFR Part 175.300
- ◆ Low VOC
 - USEPA Method 24 (SCAQMD rule 1168)
 - USEPA Method 310

Available Colours

- ◆ Translucent
- ◆ White

Packaging

- ◆ 300 ml (cartridge)~24/carton

Storage

- ◆ Store in a dry and cool place with temperature below 30 °C.
- ◆ Use within 12 months from date of production.

Product Specification

Curing System	: Moisture Curing, Neutral
Appearance	: Non-Sagging Paste (Before Curing) : Elastic Rubber (After Cured)
Density	: 0.98 – 1.02 gm/ml
Slump (ASTM D2202)	: ≤1 mm
Tensile Strength (ASTM D412)	: >0.9 N/mm ²
Elongation at Break (ASTM D412)	: >300 %
Movement Capability (ASTM C719)	: ±25 %
Shore A Hardness (ASTM C661)	: 20 – 30
Anti-Fungal Testing (ASTM G21)	: 0 Rating (No Growth)
Tack-free Time	: 10 – 30 minutes
VOC Content (USEPA Test Method 24)	: 57.38 gm/L
Application Temperature	: -20 °C to 50 °C
Service Temperature	: Up to 150 °C

Description

A one-component, neutral cure silicone sealant formulated for excellent mildew resistance. It will form a durable and waterproof seal on most common wet area building materials.

Applications

Good adhesion on most ceramics, glass and plastics. Widely used for grouting ceramic tiles, bedding tile accessories and sealing shower heads, tubs, rimless, sinks, kitchen and bathroom fixtures.

Directions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 10 minutes of extrusion before tack-free time.
6. Uncured sealant can be cleaned up with mineral spirits.
7. Use approved backing material for joints over 10 mm deep.

Clean Up

- ◆ Wet sealants can be cleaned up with acetone or mineral spirits.
- ◆ Cured sealants can only be removed mechanically.

Joint Design

- ◆ The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- ◆ Generally calculation of the width sealant bead should be computed on the basis of a maximum ±25 % movement capability
- ◆ Minimum joint depth should not be less than 6 mm to accommodate movement.
- ◆ Sealant design joint width-to-depth ratio should be 2:1.



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Coverage

Width	Depth	Coverage (300 ml) *
6 mm	6 mm	7.58 meter
10 mm	10 mm	2.73 meter
20 mm	10 mm	1.36 meter
25 mm	12 mm	0.91 meter

- ♦ The coverage figures shown above are approximate linear meter run based on 10% wastage assumption. Actual coverage may vary.

- ♦ Calculation formula:

$$X / [(Y \times Z) \times 1.1] = \text{Coverage}$$

X = volume of cartridge (or sausage) in ml,

Y = joint width in cm, Z = joint depth in cm,

1.1 = 10% wastage assumption,

Coverage = linear meter run in cm per cartridge (or sausage)

Limitation

Not recommended for following applications:

- ♦ Below waterline or permanent water immersion.
- ♦ Traffic areas subject to abrasion.
- ♦ Polycarbonate and polyacrylate, if under tension.
- ♦ Applications that require the sealant to be painted.
- ♦ Neoprene rubber.

Caution

Product releases methylethylketoxime. May cause an allergic skin reaction. Avoid breathing dust / fume / gas / mist / vapours / spray. Wear protective gloves / protective clothing / eye protection / face protection / hearing protection. Specific treatment. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.